·	Application No.	Applicant(s)
A	10/729,958	ISHIO, SEIICHIRO
Notice of Allowability	Examiner	Art Unit
	Steven H. Rao	2814
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to <u>12/09/2003</u> .		•
2. The allowed claim(s) is/are 6.		
3. \boxtimes The drawings filed on <u>09 December 2003</u> are accepted by	the Examiner.	
 4. Acknowledgment is made of a claim for foreign priority una a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). 	been received. been received in Application No. 10	
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
6. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.	
(a) 🔲 including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date		
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the		
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 Notice of Informal P	atent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Mail Dat	te
Paper No./Mail Date <u>12/09/2003</u> 4. ☐ Examiner's Comment Regarding Requirement for Deposit	8, ⊠ Examiner's Stateme	ent of Reasons for Allowance
of Biological Material	9.	les alla
DOUGLAS WILLE PRIMARY BYANINED		

DETAILED ACTION

Priority

Receipt is acknowledged of paper submitted under 35 U.S.C. 119(a)-(d), claiming priority from U.S. Patent Application No. 10/219249 filed on August 16, 2002 which itself claims priority from Japanese Patent Application No. 2001-251897 filed on August 22, 2001 which papers have been placed of record in the file.

Continued Prosecution Application

The request filed on 12/09/20030 for a Divisional Application (DA) based on parent Application No. 10/219249 is acceptable and a DA has been established. An action on the DA follows.

Information Disclosure Statement

Acknowledgment is made of receipt of Applicant's Information Disclosure Statement (PTO-1449) filled on 12/09/2003.

The references on PTO 1499 submitted on 12/09/2003 are acknowledged. All the cited references have been considered.

However the foreign patents and documents cited by applicant are considered to the extent that could be understood from the abstract and drawings.

Preliminary Amendment Status

Acknowledgment is made of entry of preliminary amendment filed 12 /09 / .2003.

Therefore claim 6 is the only currently pending claim.

Claims 1-5 and 7 have been cancelled by the preliminary amendment.

Reasons for allowance

Claim 6 is allowed.

The following is an examiner's statement of reasons for allowance:

The prior art taken either singularly or in combination fails to anticipate or fairly suggest the limitation of the dependent claims, in such manner that a rejection under 35 U.S.C. 102 or 103 would be proper. The prior art fails to teach a combination of all the claimed features as presented in independent claims, which include the method of making the semiconductor device as recited in claim 6 including an impurity diffusion layer that pierces the silicon substrate and extends from said second semiconductor layer from an surface of said second semiconductor layer opposite to said first semiconductor layer to a surface of said first semiconductor layer contacting said second semiconductor layer, and wherein the wire only crosses the impurity diffusion layer at its second end. (for device claims see USP No. 6,686,634).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the

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examiner should be directed to Steven H. Rao whose telephone number is (571)272-

1718. The examiner can normally be reached on 8.00 to 5.00.

The fax phone number for the organization where this application or proceeding

is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have guestions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Steven H Rac

Patent Examiner

November 23, 2004.

DOUGLAS WILLE

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